

FIGURE 1.
(Background Art)

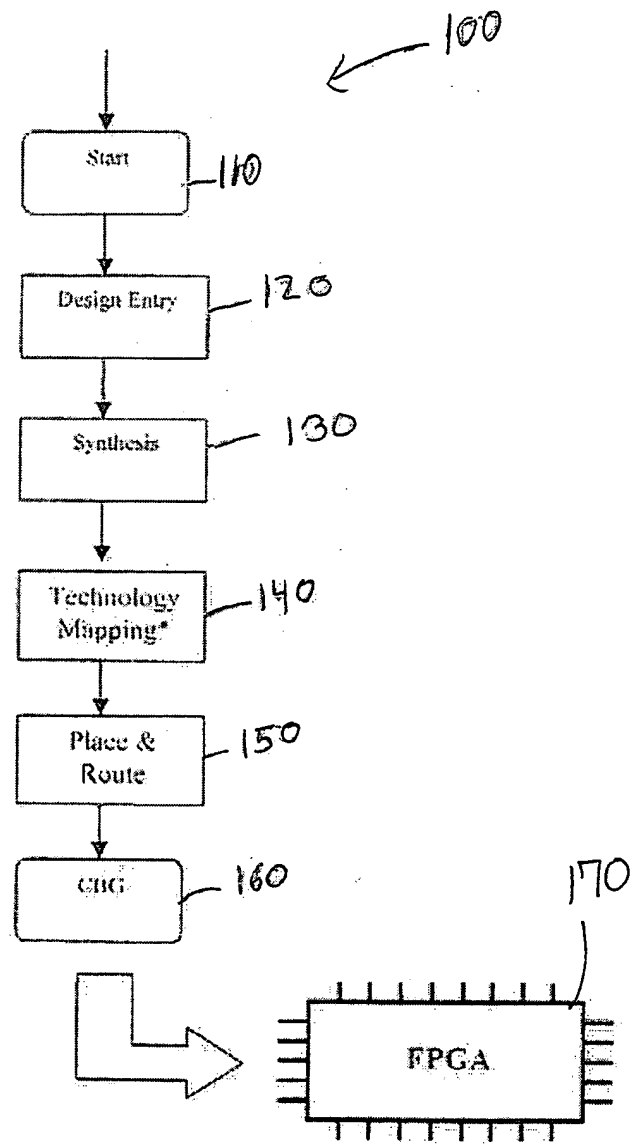


FIGURE 2

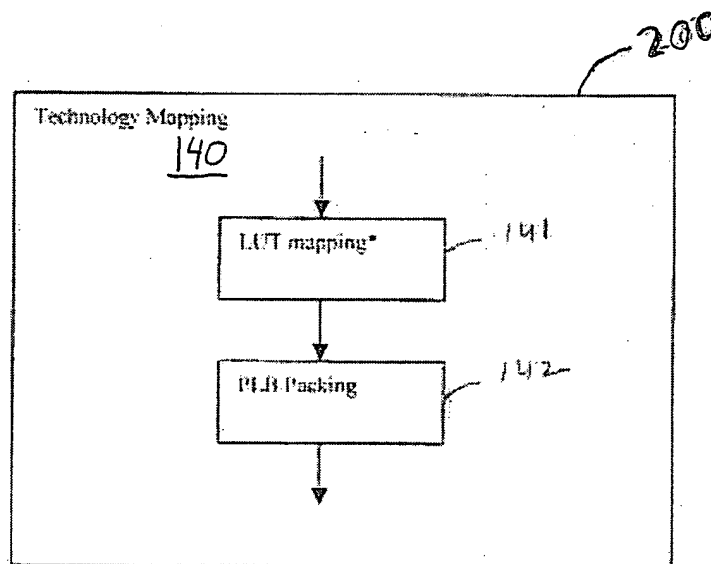


FIGURE 3

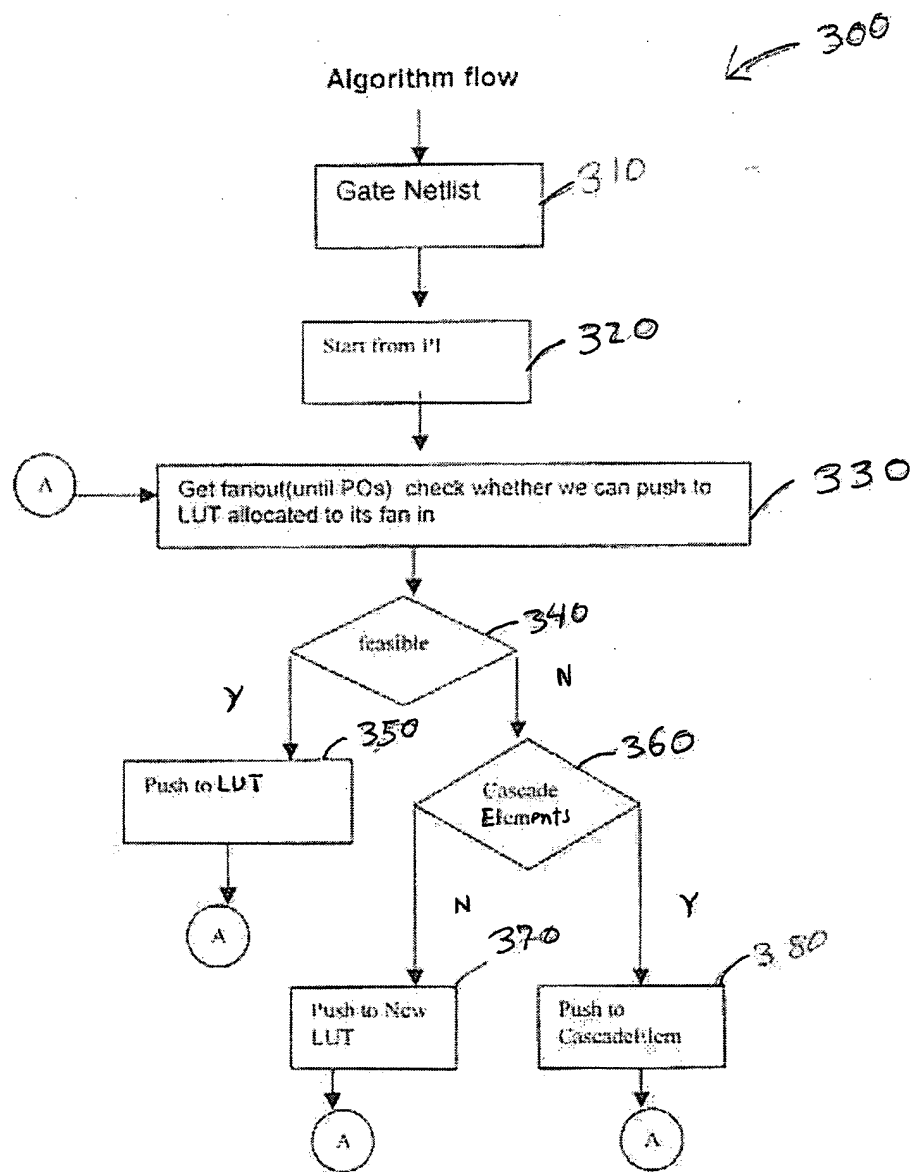


FIGURE 4.

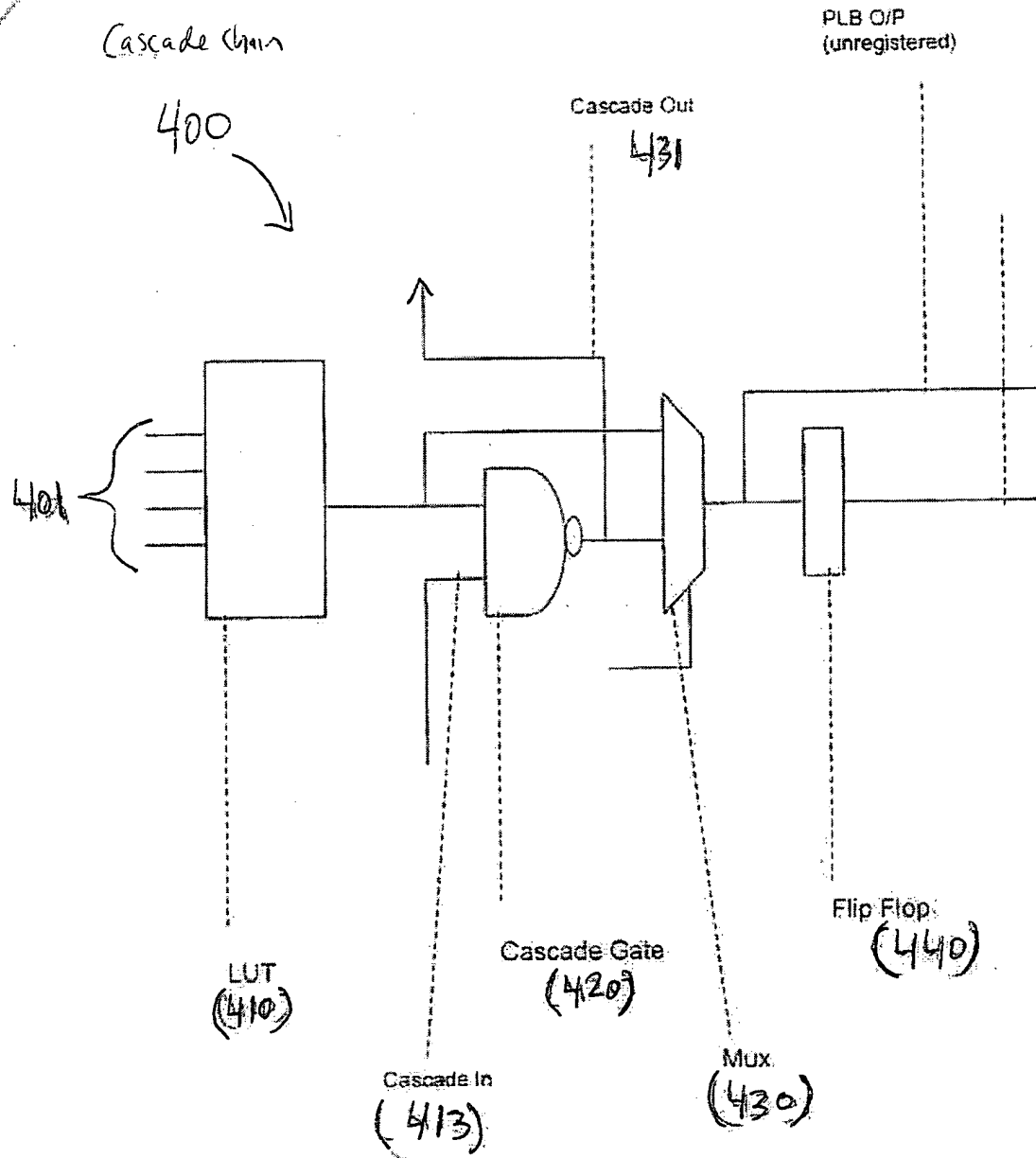


FIGURE 5

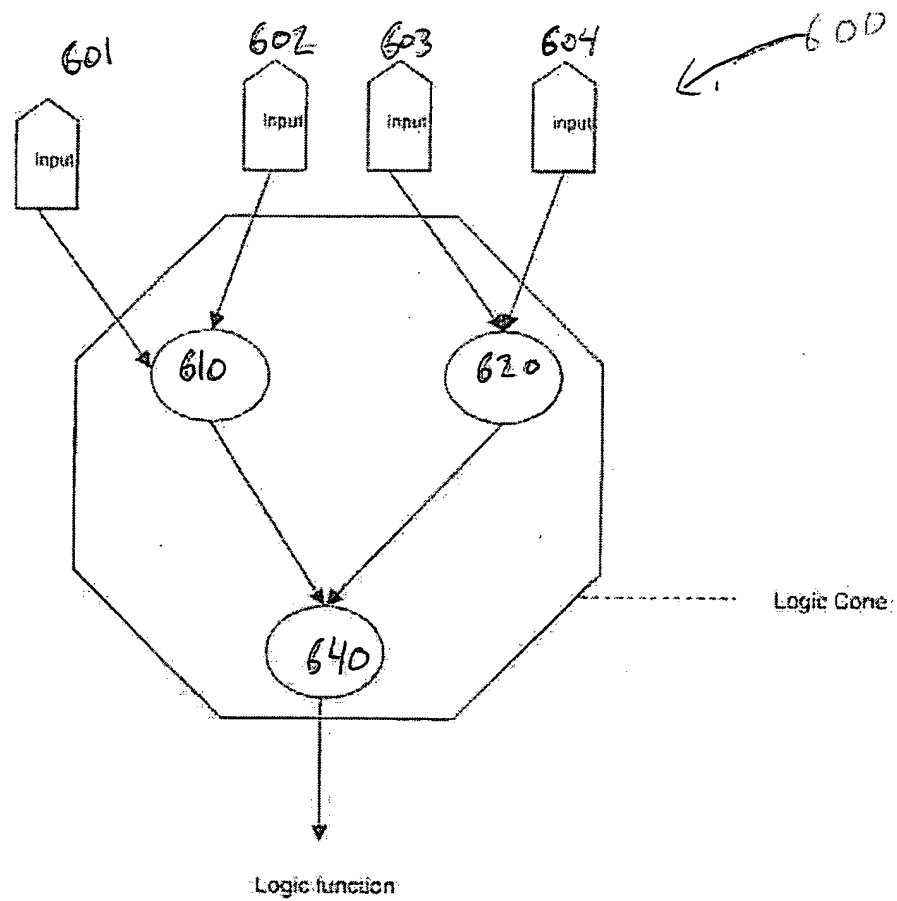
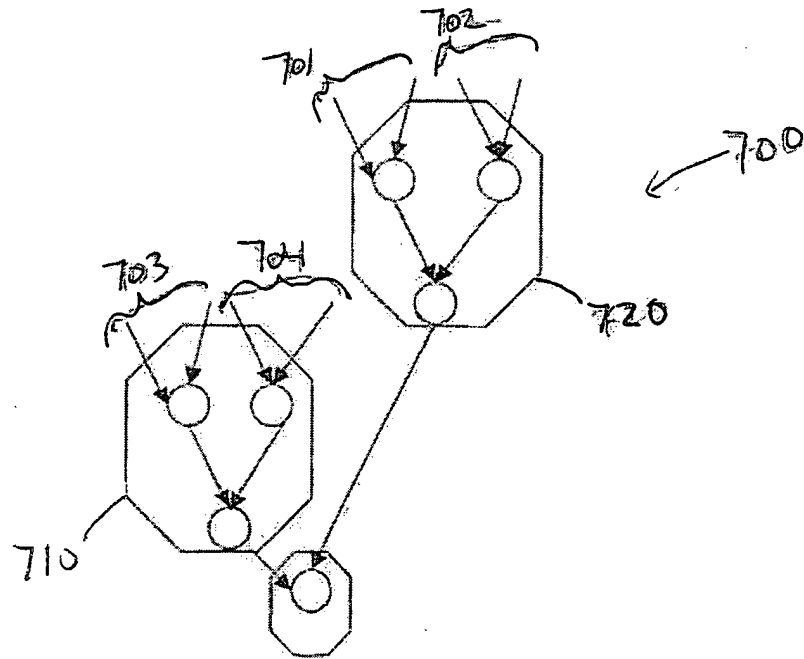


Fig. 6

Mapping for K=4
without cascade element



Depth: 2
Area: 3

Legend:



LUT



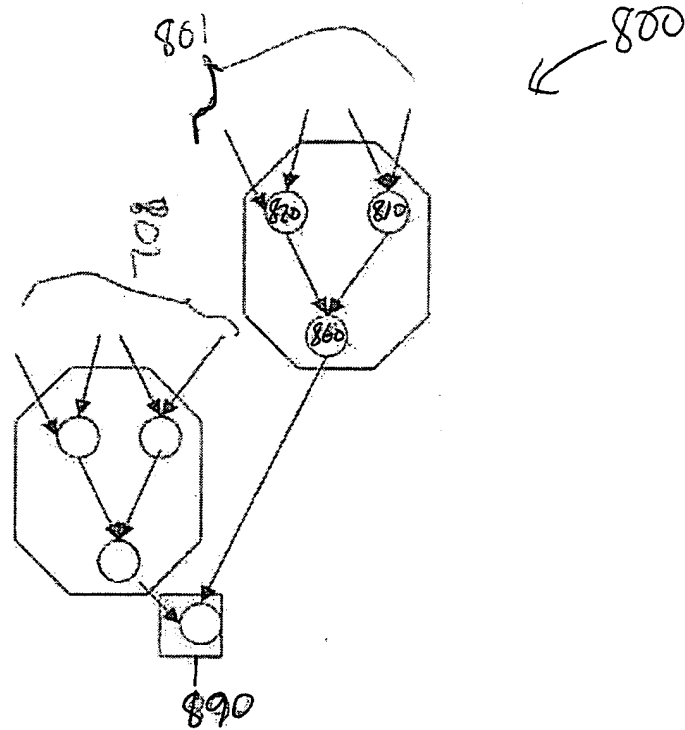
Cascade Element



Logic elements to be packed into LUTs / Cascade Elements.

Fig. 7

Mapping for $K=4$
with cascade element



Depth: 1
Area: 2

Legend:



LUT



Cascade Element



Logic elements to be packed into LUTs / Cascade Elements.

Fig. 8